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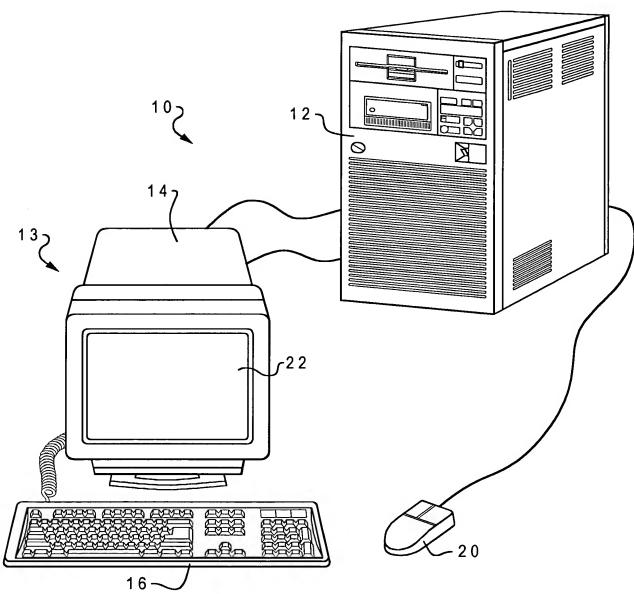
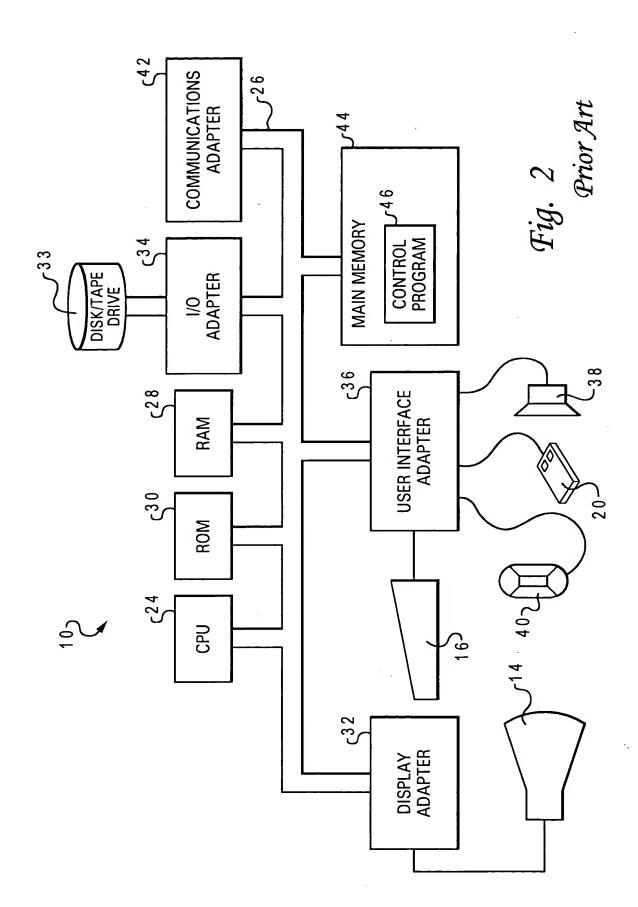


Fig. 1
Prior Art

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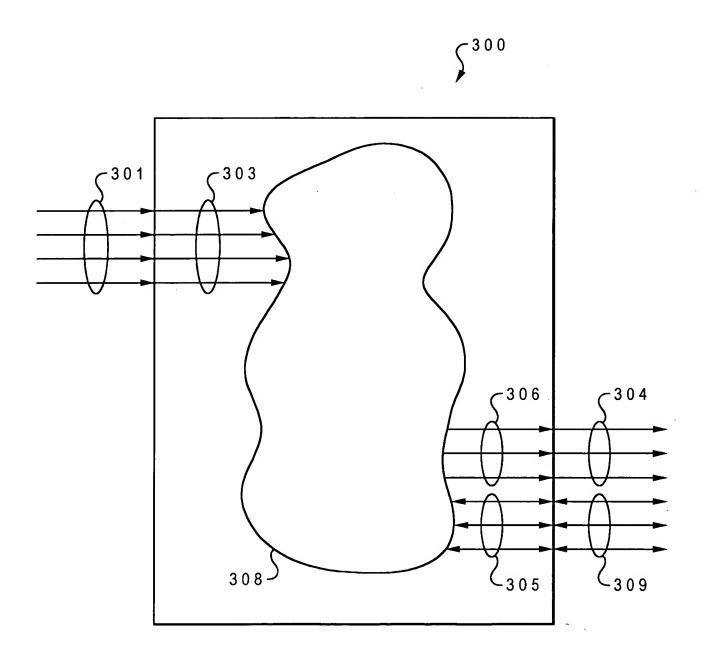
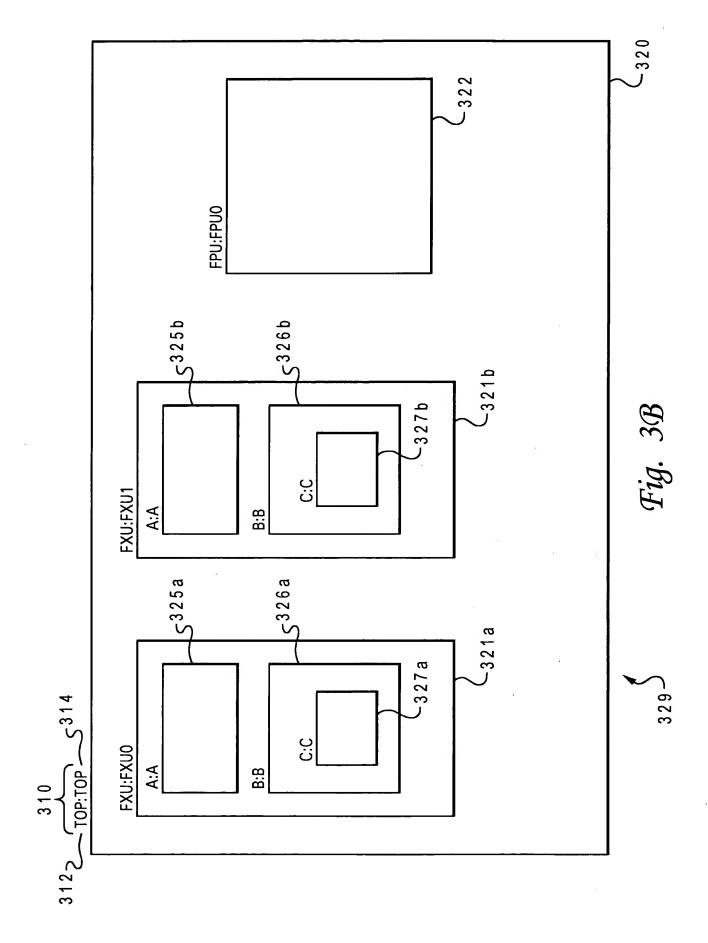
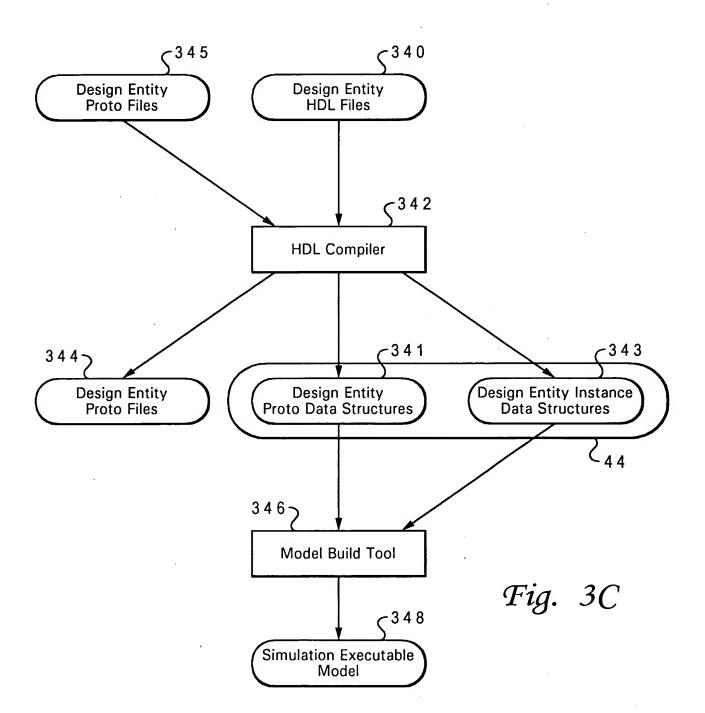
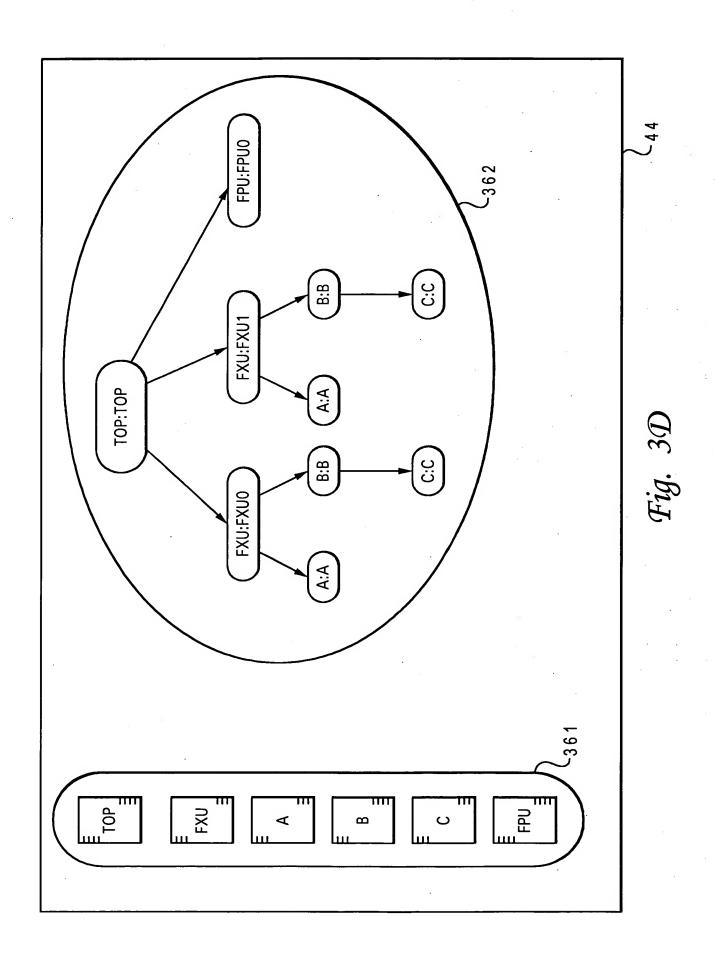


Fig. 3A

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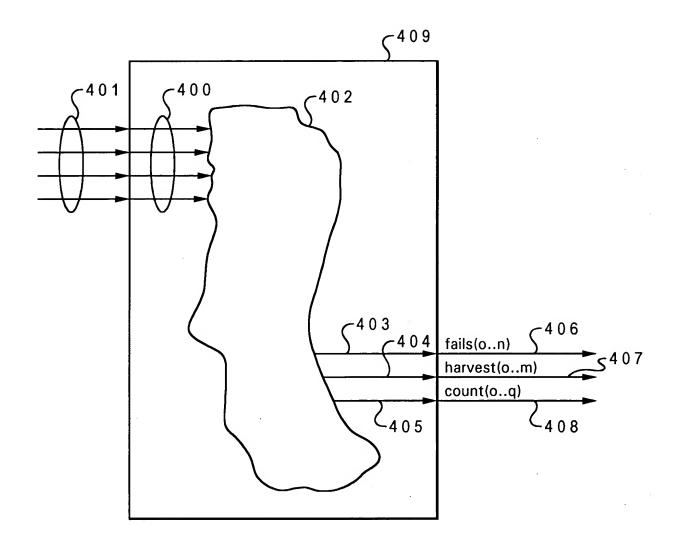
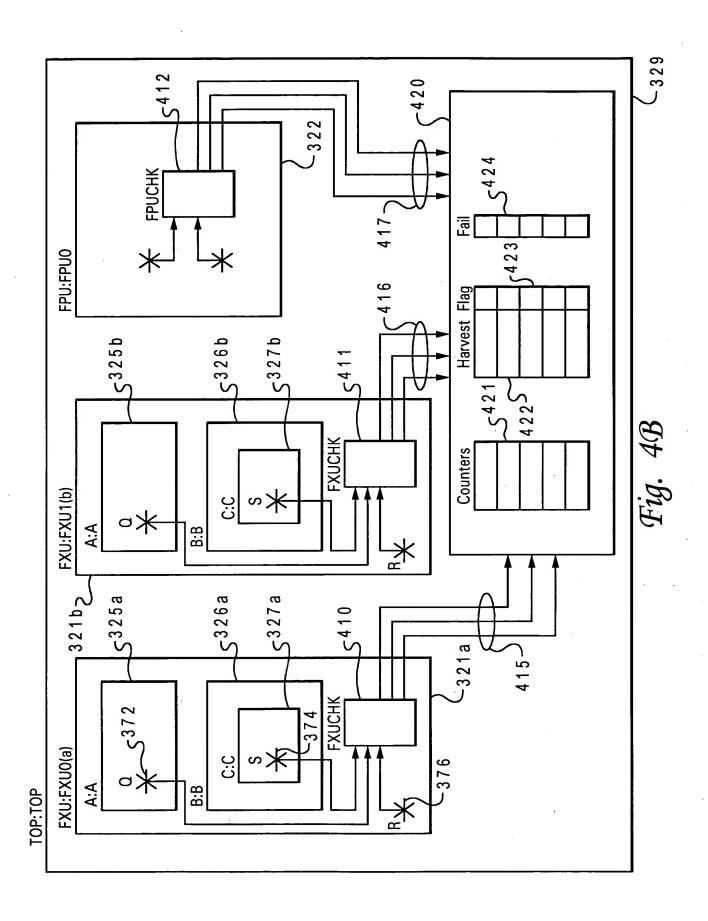


Fig. 4A

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```
ENTITY FXUCHK IS

: IN std_ulogic;
: IN std_ulogic;
: IN std_ulogic;
: IN std_ulogic;
: OUT std_ulogic_vector(0 to 1);
: OUT std_ulogic_vector(0 to 2);
: OUT std_ulogic_vector(0 to 1);

                                   PORT(
                                                           SIN
                                                           Q IN
                                                           R^{-}IN
                                                           clock
                                                           fails
                                                           counts
                                                           harvests
                  --!! BEGIN
--!! Design Entity: FXU;
4\,5\,3 \left\{ \begin{array}{lll} --!! \; \mbox{Inputs} \\ --!! \; \mbox{S IN} & => & \mbox{B.C.S;} \\ --!! \; \mbox{Q IN} & => & \mbox{A.Q;} \\ --!! \; \mbox{R IN} & => & \mbox{R;} \\ --!! \; \mbox{CLOCK} & => & \mbox{clock;} \\ --!! \; \mbox{End Inputs} \end{array} \right.
4 5 4 

--!! Fail Outputs;
--!! 0 : "Fail message for failure event 0";
--!! 1 : "Fail message for failure event 1";
--!! End Fail Outputs;
                                                                                                                                                                                                                440
                                                                                                                                         -451
455 

--!! Count Outputs;

--!! 0: <event0> clock;

--!! 1: <event1> clock;

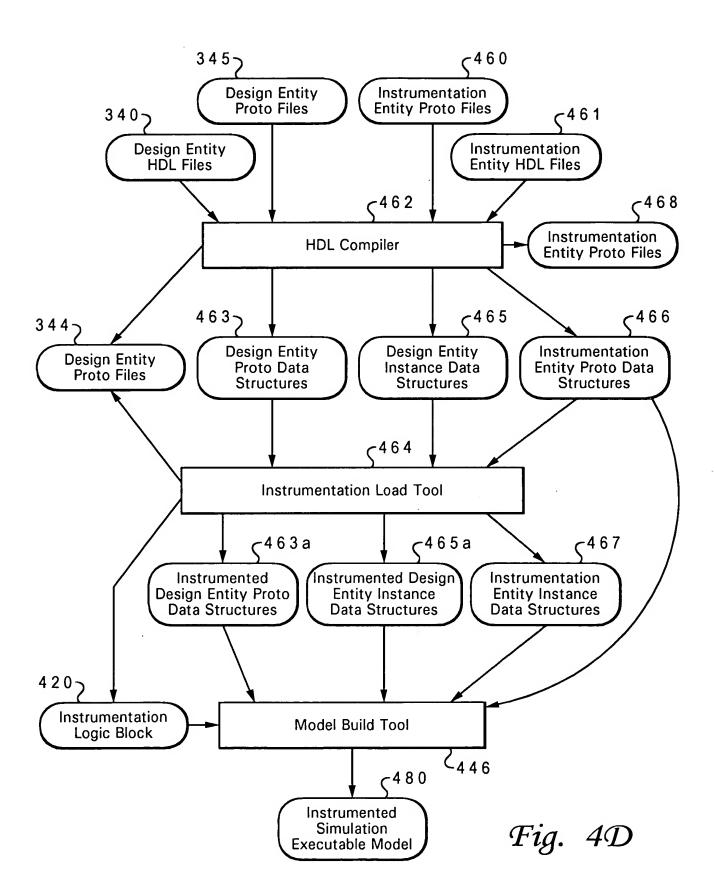
--!! 2: <event2> clock;

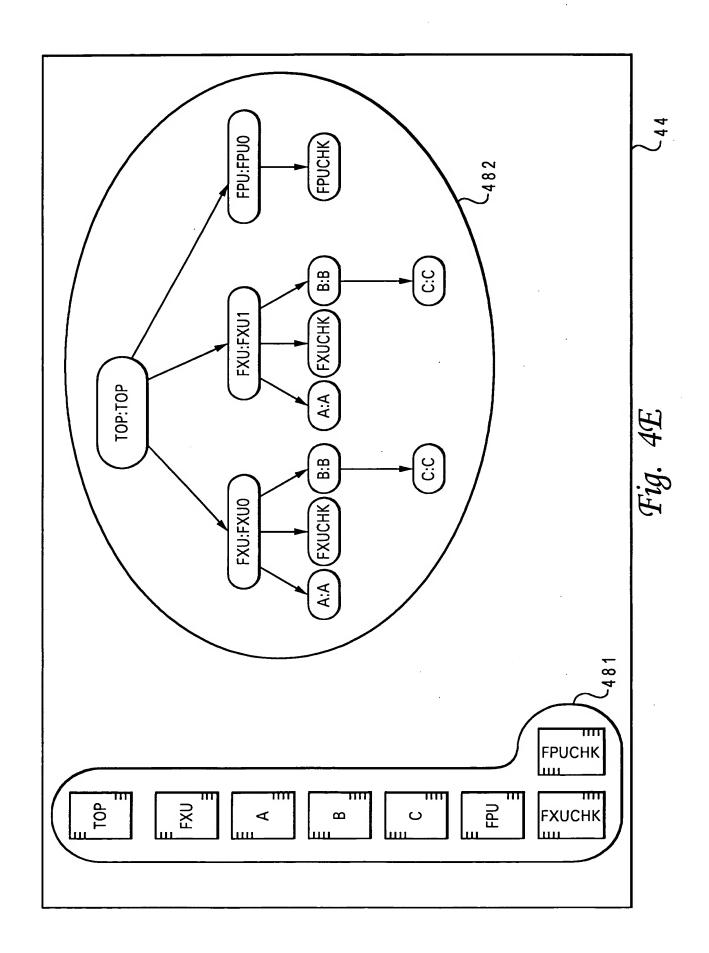
--!! End Count Outputs;
4 5 6 

--!! Harvest Outputs;
--!! 0 : "Message for harvest event 0";
--!! 1 : "Message for harvest event 1";
--!! End Harvest Outputs;
457 ⟨ --!! End;
                      ARCHITECTURE example of FXUCHK IS
                      BEGIN
                                   ... HDL code for entity body section ... > 458
                      END;
```

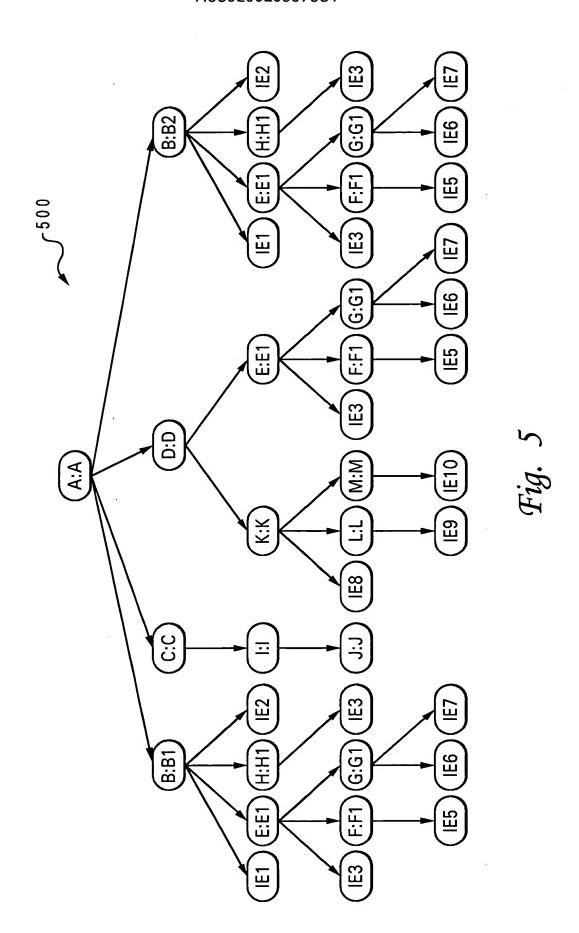
Fig. 40

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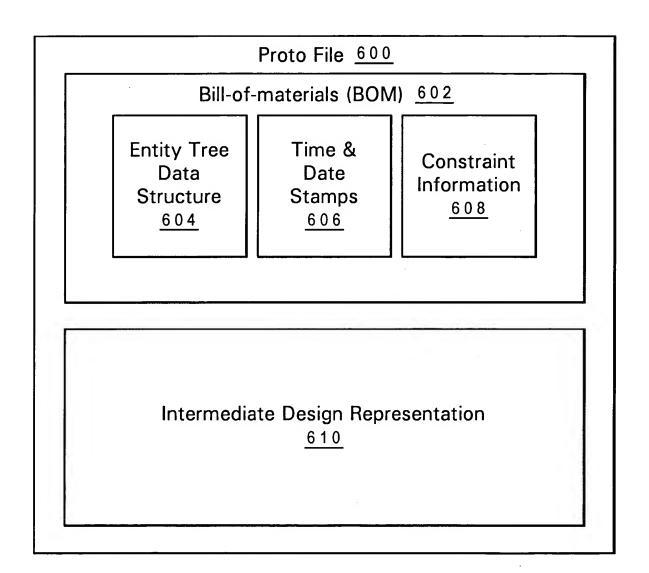


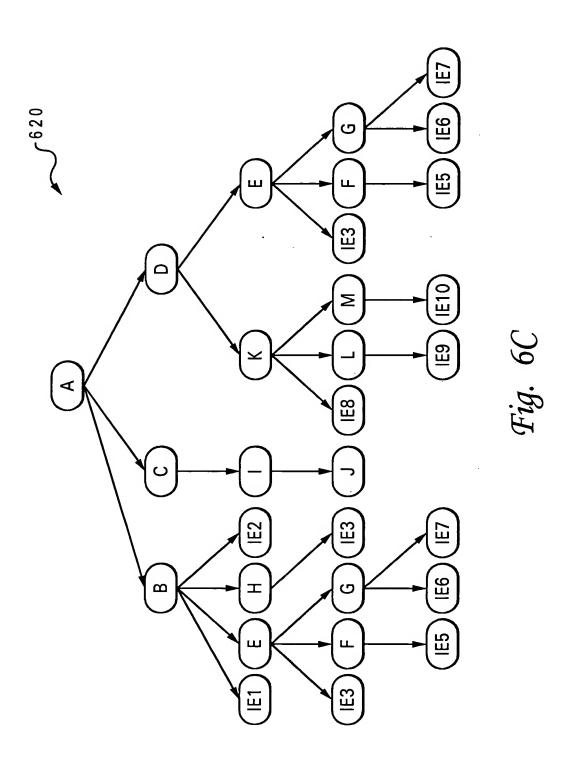
Fig. 6A

-608		1											
	SELECTED IEs					{IE3}	{IE5}	{IE6}, {IE7}					
	ENTITY	4	В	C	D	E	F	G	Н	J	K	Γ	M

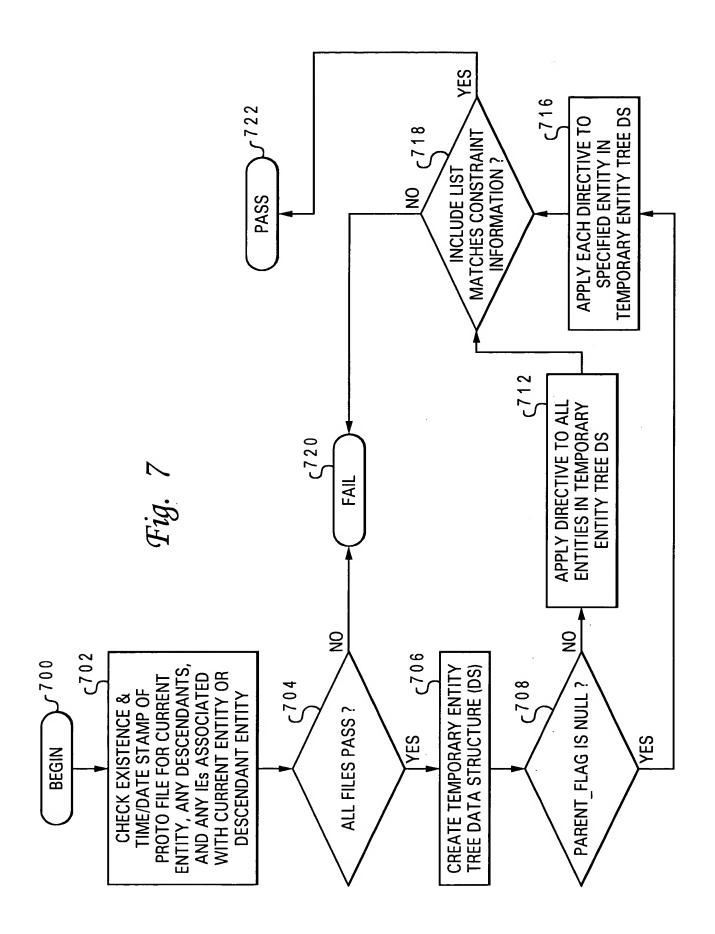
Fig. 6D

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ENTITY	DESCENDANTS
4	В, С, D
В	E, H, {IE1}, {IE2}
S	_
D	К, Е
E	F, G, {IE3}
ட	{IE5}
<u>G</u>	{IE6}, {IE7}
Н	{IE4}
	J
ſ	
K	L, M, {IE8}
Γ	{IE9}
Σ	{IE10}



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